

THE UNITED STATES OF AMERICA

To all to whom these presents shall come: Hinneer Hi-Bred International, Inc.

THECE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT. THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE IFFERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUGGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

MOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY LEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLEMENTMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE UCHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR TING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT OR BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'R.IS49001'

In Testimonn Thereof, I have hereunto set my hand and caused the seal of the Hunt Huristy Frotestion Office to be affixed at the City of Washington, D.C. this fourteenth day of November, in the year two thousand and eight.

Attack

Blaz-

Commissioner Plant Variety Protection Office Agricultural Marketing Service Colmand To Schools

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#200800140

GENERAL INSTRUCTIONS: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E, F; (3) for a tuber reproduced variety, verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; and (4) payment by credit card or check drawn on a U.S. bank for \$4,382 (\$518 filing fee and \$3,864 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice). NEW: With the application for a seed reproduced variety or by direct deposit soon after filing, the applicant must provide at least 3,000 viable untreated seeds of the variety per se, and for a hybrid variety at least 3,000 untreated seeds of each line necessary to reproduce the variety. Partial applications will be held in the PVPO for not more than 90 days; then returned to the applicant as un-filed. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a payment by credit card or check payable to "Treasurer of the United States" in the amount of \$768 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

Plant Variety Protection Office

Telephone: (301) 504-5518 FA

FAX: (301) 504-5291

General E-mail: PVPOmail@usda.gov

Homepage: http://www.ams.usda.gov/science/pvpo/PVPindex.htm

SPECIFIC INSTRUCTIONS:

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that the permanent name of the application variety (even if it is a parental, inbred line) has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: U.S. Department of Agriculture, Agricultural Marketing Service, Livestock and Seed Programs, Seed Regulatory and Testing Branch, 801 Summit Crossing Place, Suite C, Gastonia, North Carolina 28054-2193 Telephone: (704) 810-8870. http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;

(2) the details of subsequent stages of selection and multiplication;

(3) evidence of uniformity and stability; and

- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach replicated statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
 U.S. Patent 4,940,835 issued to Shah et al. as per the Roundup Ready Gene in this variety.

According to the Peperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to everage 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, ege, disability, and where epplicable, sex, mantel status, parental status, religion, sexual orientation, genetic information, political ballets, reprisel, or because all or part of an individual's income is derived from any public essistance program (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA'S TARGET Center at (202) 720-2600 (voice and TDD).

To tile a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Weshington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Exhibit A. Origin and Breeding History of the Variety

Soybean Variety RJS49001

Variety RJS49001 evolved from a cross made in the winter of 2000/01 in Puerto Rico with the following parentage:

Parentage = 94B13/94B74*

*94B13 and 94B74 are commercial varieties with the Roundup Ready® (40-3-2) gene

Variety RJS49001 is an F3-derived line, which was advanced to the F3 generation by modified single-seed descent. The F3 progeny row of RJS49001 was grown in a plant row yield trial in Illinois in the summer of 2002. Subsequently, RJS49001 has undergone five seasons of extensive testing and purification in the United States. It has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of yield, soybean cyst nematode resistance (Race 3) and resistance to Roundup® branded herbicides; variety RJS49001 was assigned a commercial number.

The purification block was grown in 2005 in Illinois and 47 sub-lines were harvested. A fourth (0.25) acre increase was grown in Argentina in the winter of 2005/06. Eleven (11) acres of parent seed stock (foundation seed equivalent) were grown in the summer of 2006, and approximately 322 acres of seed stock and production seed were grown in the summer of 2007.

Exhibit B. Statement of Distinctness

Soybean Variety RJS49001

Variety RJS49001 is most similar to Pioneer variety 94M71. Both varieties have white flowers, tawny pubescence, yellow seed with black hila, brown pod wall, resistance to race 3 of the soybean cyst nematode, no resistance to *Phytophthora megasperma*, and resistance to Roundup® branded herbicides. However, RJS49001 a spherical flattened seed shape; whereas 94M71 has an elongated seed shape. Additionally RJS49001 and 94M71 have different isozyme profiles as identified in Table 1 below.

Table 1

Variety	IDH1	MDH	GPI1
94M71	М	В	2
RJS49001	2	A,B	1

M = Multiple

Variety RJS49001 is also similar to Asgrow variety A4922, DeKalb variety CX470C, Mycogen variety MPS5474, public variety Egyptian, and DeKalb variety CX499C. All varieties have white flowers, tawny pubescence, yellow seed with black hila, brown pod wall, resistance to race 3 of the soybean cyst nematode, no resistance to *Phytophthora megasperma*. However, RJS49001 has resistance to Roundup® branded herbicides; whereas A4922, CX470C, MPS5474, Egyptian, and CX499C have no resistance to Roundup® branded herbicides.

REPRODUCE LOCALLY. Include form number and date on all reproductions.

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U.S. DEPARTMENT OF AGRICULTURE

EXHIBIT

AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY Sovbean (Glycine max (L.) Merr.)

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
Pioneer Hi-Bred International, Inc.	XB48X07	RJS49001
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Co	FOR OFFICIAL USE ONLY	
7300 N.W. 62nd Avenue, P.O. Box 1004, 3	Johnston, IA, 50131-1004	#20080014
PLEASE READ ALL INSTRUCTIONS CAREFULLY:		
Place the appropriate number that describes the varied Place a zero in the first box (e.g., 0 9 9 or 0	sal character of this variety in the spaces below. 9) when number is either 99 or less or 9 or less respectively.	Data for quantitative plant characters
	arative data should be determined from varieties entered in the	
any recognized color standard may be used to determ		Please answer
all questions for your variety; lack of response may de	lay progress of your application.	
A. MORPHOLOGY:		
Seed Shape:		(\bigcirc)
·	2 = Spherical-Flattened	W I
2 1 = Spherical (LW, L/T, and T/W ratios ≤1.2)	(L/W ratios> 1.2; L/T ratios ≤ 1.2)	
3 = Elongate	4 = Elongate-Flattened	
(L/W ratios > 1.2; T/W ratios ≤ 1.2) (L/T ratios ≥ 1.2; L/W ratios ≥ 1.2)	
Seed Coat Color:		
* 1 1 = Yellow 2 = Green 3 =	Brown 4 = Black 5 = Other (Please specify	y)
Seed Coat Luster:		
1 1 = Dull 2 = Shiny		
· ·		
Seed Size:		
* 16.7 grams/100 seeds (rounded	to the nearest decimal (00.0))	
Hilum Color:		
* 6 1 = Buff 2 = Yellow 3 = E 7 = Other (Please specify)	Brown 4 = Gray 5 = Imperfect Black	6 = Black

A. MORPHOLOGY: (continued)

Cotyledon Color:

Seed Protein Peroxidase Activity:

$$2 = High$$

Hypocotyl Color:

1 = Green

2 = Green with Bronze ('Evans' or 'Davis') Band below cotyledons ('Woodworth' or 'Tracy') 3 = Light Purple below Cotyledons ('Beeson' or 'Pickett 71') 4 = Dark Purple extending to unifoliolate leaves ('Hodgson', 'Coker', or 'Hampton 266A')

Leaf Shape:

1 = Lanceolate

2 = Oval

3 = Ovate

4 = Other (Please specify)

Flower Color:

* 1 1 = White

2 = Purple

3 = White with a Purple Throat

Pod Color:

1 = Tan 2

2 = Brown

3 = Black

Pubescence Color:

2 1 = Gray

2 = Brown (Tawny)

3 = Light Tawny

Plant Habit:

* 3 1 = Determinate

2 = Semi-determinate

3 = Indeterminate

4 = Intermediate

Maturity Group:

7 1 = 000 6 = 111

2 = 007 = IV

3 = 08 = V

4 = 19 = VI

5 = 1110 = VII

11 = VIII

12 = 1

13 = X

14 = XI

15 = XII

Maturity Subgroup:

- * 9 Please enter a value from 0-9
- B. DISEASE REACTIONS: 0 = Not Tested

1 = Susceptible

2 = Resistant

3 = Tolerant

NOTE: Failure to supply information for at least 5 of the following disease reactions will result in significant delay in the examination process. Items denoted by and asterisk are the disease reactions most useful in the examination process.

Bacterial

- 0 Bacterial Pustule (Xanthomonas campestris pv. glycines (Nakano) Dye)
- Bacterial Blight (Pseudomonas syringae pv. glycinea (Coerper) Young, Dye, & Wilkie)
- Wildfire Blight (Pseudomonas syringae pv. tabaci (Wolf & Foster) Young, Dye, & Wilkie)

Fungal

- Brown Spot (Septoria glycines Hemmi)
- 0 Frogeye Leaf Spot (Cercospora sojina Hara)
- 0 race 1
- 0 race 3
- 0 race 5

- race 2
- 0 race 4
- 0 race 6

Important: Any other races tested (Please specify)

B. 1	DISE	ASE	REA	CTIONS:	(continued)	ì
------	------	------------	------------	---------	-------------	---

	0	Target Spot	(Cor	ynespora ca	ssiicola	a (Berk. & Cur	t.) V	Vei)				
	0	1		•		•	-	a (Naum.) Syc	ı. Ex	(Gäum)		
	0	Powdery Mil	ldew	(<i>Microsphae</i>	era diffi	usa Cke. & Pk	:.)			·		
•	0	Brown Stem	Rot	(<i>Phialophora</i>	a grega	ata (Allington 8	& Ch	namberlain) W.	Gai	ms.)		
*	0	Stem Canke	er (<i>Dia</i>	aporthe phas	seoloru	ım (Cke. & Ell	.) Sa	acc. var. cauliv	ога л	Athow & Caldw	ell)	
*	1	Pod and Ste	m Bl	ight (<i>Diaporti</i>	he pha	aseolorum (Ck	e. &	Ell.) (Sacc. va	ar. sc	ojae (Lehman) ¹	Weh	nm.)
	0	Purple Seed	l Stai	n (C <i>ercosp</i> o	ra kiku	<i>ıchii</i> (T. Matsu	. & "	Tomoyasu) Ga	rder	ner)		
	1	Rhizoctonia	Root	: Rot (<i>Rhizo</i> o	tonia s	solani Kühn)						
	0	Asian Soybe	an R	Rust (<i>Phakos</i>	pora p	<i>achyrhizi</i> Syd	w. (a	a.k.a. Phakosp	ora į	pachyrhizia Sy	dw.))
	0	Other (F	Pleas	e specify)			····					
spe	cify	the gene(s) o	oding	g for reactior	ı to Ph	ytophthora Ro	ot F	Rot.				
	0	Rps1 (Williams)	0	Rps1-c (Arksoy)	0	Rps1-k (Kingwa)	0	<i>Rps3-b</i> (Pl 172.901)	0	Rps5 (Pl 91.160)	0 F	Rps? Nezumisaya, OX939, OX940
	0	<i>Rps1-a</i> (Mukden)	0	<i>Rps1-d</i> (Pl 103.091) 0	Rps2 (CNS)	0	Rps3-c (Pl 340.046)	0	Rps6 (Altona)		
	0	<i>Rps1-b</i> (Sanga)	0	<i>Rps1-e</i> (Pl 172.907		<i>Rps3-a</i> (Pl 171.442)	0	<i>Rps4</i> (Pl 86.050)	0	Rps7 (Harosoy)		
Ph	ytop	hthora Root i	₹ot (#	Phytophthora	a sojac	(Kaufmann 8	ເ Ge	rdemann))				
	_	race 1		race 9		race 17	0	race 25	0	race 32	0	race 39
	0	race 2	0	race 10	0	race 18	0	race 26	0	race 33	0	race 40
	0	race 3	0	race 11	0	race 19	0	race 27	0	race 34	0	race 41
	0	race 4	0	race 12	0	race 20	0	race 28	0	race 35	0	race 42
	0	race 5	0	race 13	0	race 21	0	race 29	0	race 36	0	race 43
	0	race 6	0	race 14	0	race 22	0	race 30	0	race 37	0	race 44
	0	race 7	0	race 15	0	race 23	0	race 31	0	race 38	0	race 45
-	0	race 8	0	race 16	0	race 24	0	Important: An	y otl	her races teste	d (P	lease specify)
	1	Bud Blight (T	obac	co Rinaspot	Virus)							
		Yellow Mosa		٠.	•							
*	=	Cowpea Mos	•									
		Pod Mottle (E				· ii dio)						
*		Seed Mottle			•)						
Ne	_ <u>-</u> mate		(,		· a.o,	,						
					_							
Soy		n Cyst Nema	_	·		,						
į		-		_	0 race							
.	U	race 2	0 Ira	ace 5 (0 ∣race	∋ 14						

Important: Any other races tested (Please specify)

В.	DI	SEASE REACTIONS: (continued)
	0	Lance Nematode (Hoplolaimus columbus Sher)
	1	Southern Root Knot Nematode (Meliodogyne incognita (Kofoid & White) Chitwood)
	0	Northern Root Knot Nematode (Meliodogyne hapla Chitwood)
	0	Peanut Root Knot Nematode (Meliodogyne arenaria (Neal) Chitwood)
	0	Reniform Nematode (Rotylenchus reniformus Linwood & Olivera)
	0	Javanese Nematode (Meliodogyne javanica (Treub) Chitwood)
	0	Important: Other Nematodes tested (Please specify)
C.	PH	IYSIOLOGICAL RESPONSES: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	Iron Chlorosis on Calcareous Soil
	0	Phosphorus 0 Important: Other (Please specify)
	0	Boron
	0	Aluminum
	0	Salt
	=	Drought
D.	INS	SECT REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	Mexican Bean Beetle (<i>Epilachna varivestis</i> Mulsant)
		Soybean Aphid (<i>Aphis glycines</i> Matsamura)
	二	Potato Leaf Hopper (<i>Empoasca fabae</i> (Harris))
		Important: Other (Please specify)
		Important. Other (include specify)
E.	HE	RBICIDE REACTIONS: 0 = Not Tested 1 = Susceptible 2 = Resistant 3 = Tolerant
	0	Metribuzin
-	0	Bentazone
	1	Sulfonylurea
*	2	Glyphosate
	1	Glufosinate
	0	Pendimethalin
	0	Important: Other (Please specify)

F. TRANSGENIC COMPOSITION:

Has the development of the subject variety included the inse	tion of genetic material from an organism other than a soybean,
or, the removal of genetic material from the application varied	y?

If yes, please complete the following information requests*. Use additional pages if necessary. 🛛 🖳 Yes 🔲 No

- 1. Please state the vector's name:
- 2. Please state the vector components:
- 3. Please describe the genetic material successfully transferred into the subject variety:
- 4. Please describe the insertion protocol:
- * A literature citation(s) explaining the four information requests above may be an acceptable alternative to completion of the "Transgenic Composition" portion of this form.

G. BIOCHEMICAL MARKERS:

Please describe any additional genetic and/or biochemical information which you believe will be helpful in further describing the subject variety here (e.g., Single Nucleotide Polymorphisms (SNPs), Simple Sequence Repeats (SSRs), Restriction Fragment Length Polymorphisms (RFLPs), Isozyme characterization, etc.). Use additional pages if necessary.

H. STATISTICAL DATA FOR APPLICATION AND CITED MOST SIMILAR VARIETIES:

Please provide paired comparison data and appropriate statistical test (e.g. LSD. Std. error, ANOVA, Mann-Whitney *U*-test or Kruskal-Wallis Test, etc.) value (95 or > probability level).

Variety	No. of days Maturity	Plant height (cm)	% Linoleic acid	% Oleic acid	% Linolenic acid	% Other fatty acids (specify)	% Total oil	% Protein (Plant dried down to%)
Application Variety Year/Location 1								
Year/Location 2								·
Cited Most Similar Variety Year/Location 1								
Year/Location 2								
LOD, CO.				:				

Exhibit C (Soybean)

I. COMMENTS:

Number 1:

The Transgenic Composition section is fully addressed in the following publication. Specific details of this vector components and insert elements are summarized in Figure 1 and Table 1 on page 1453. Padgett, S.R. et al. Development, Identification, and Characterization of a Glyphosate-Tolerant Soybean Line. 1995. Crop Science. 35:1451-1461.

Number 2:

RJS49001 is rated as susceptible to southern root knot nematode. On a scale of one to nine with one being fully susceptible, and nine being complete resistance; RJS49001 is rated two.

Exhibit D. Additional Description of the Variety

Soybean Variety RJS49001

In Exhibit C we have identified variety RJS49001 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety RJS49001 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider RJS49001 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

Variety RJS49001 is a late Group 4 variety. If Group 4 varieties are divided into tenths, the relative maturity of RJS49001 is 4.9.

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

✓ NO

If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

YES

- If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

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ST-470-E (04-03) designed by the Plant Variety Protection Office using Word 2000

Form Approved OMB NO 0581-0055
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U.S. DEPARTMENT OF AGRICULTURE **AGRICULTURAL MARKETING SERVICE** SCIENCE AND TECHNOLOGY **PLANT VARIETY PROTECTION OFFICE** BELTSVILLE, MD 20705

EXHIBIT F DECLARATION REGARDING DEPOSIT

NAME OF OWNER (\$) Pioneer Hi-Bred International, Inc.	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 7300 N.W. 62nd Avenue	TEMPORARY OR EXPERIMENTAL DESIGNATION XB48X07			
	P.O. Box 1004 Johnston, IA 50131-1004	VARIE RJS49001			
NAME OF OWNER REPRESENTATIVE (\$)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL USE ONLY			
Paul D. Koelling	7300 N.W. 62nd Avenue P.O. Box 1004	#200800140			
Cassie J. Prochaska	Johnston, IA 50131-1004				

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Paul D- Hoelling Signature

Feb, 25,2008